

FIG. 2

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REGRESSING HEAT EXPERIMENT SENSOR 2

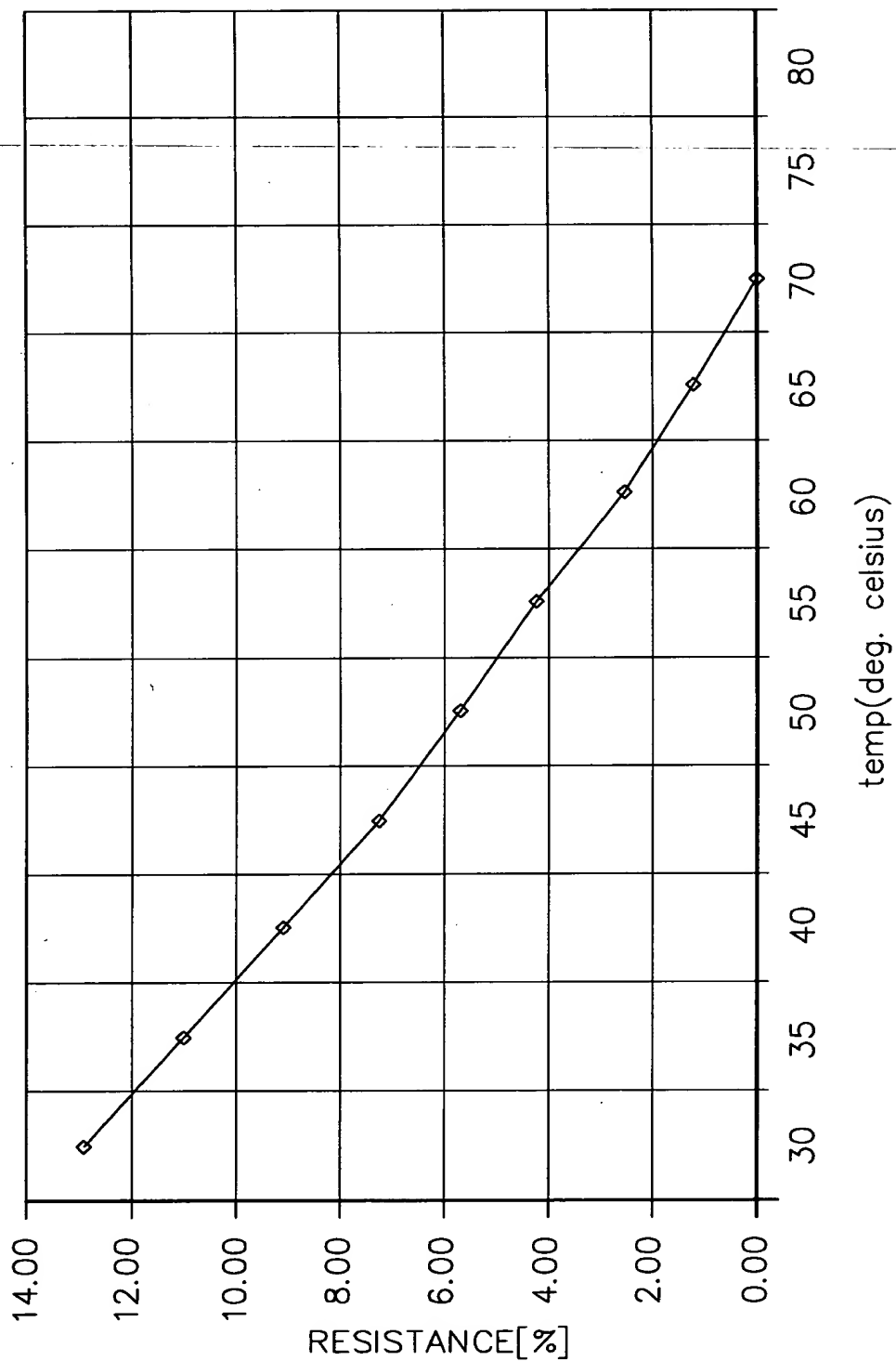


FIG. 3A

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REGRESSING HEAT EXPERIMENT SENSOR 2

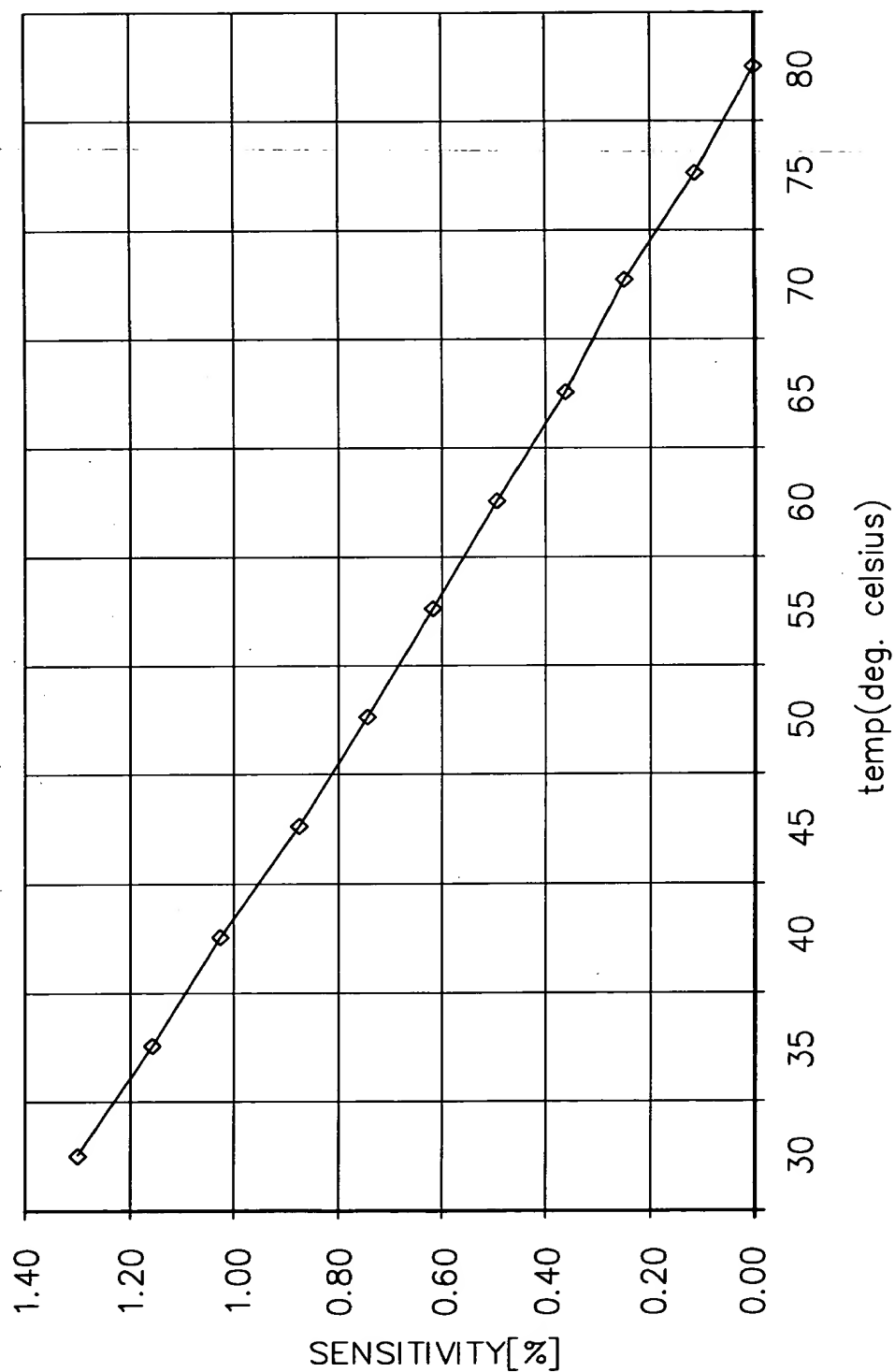


FIG. 3B

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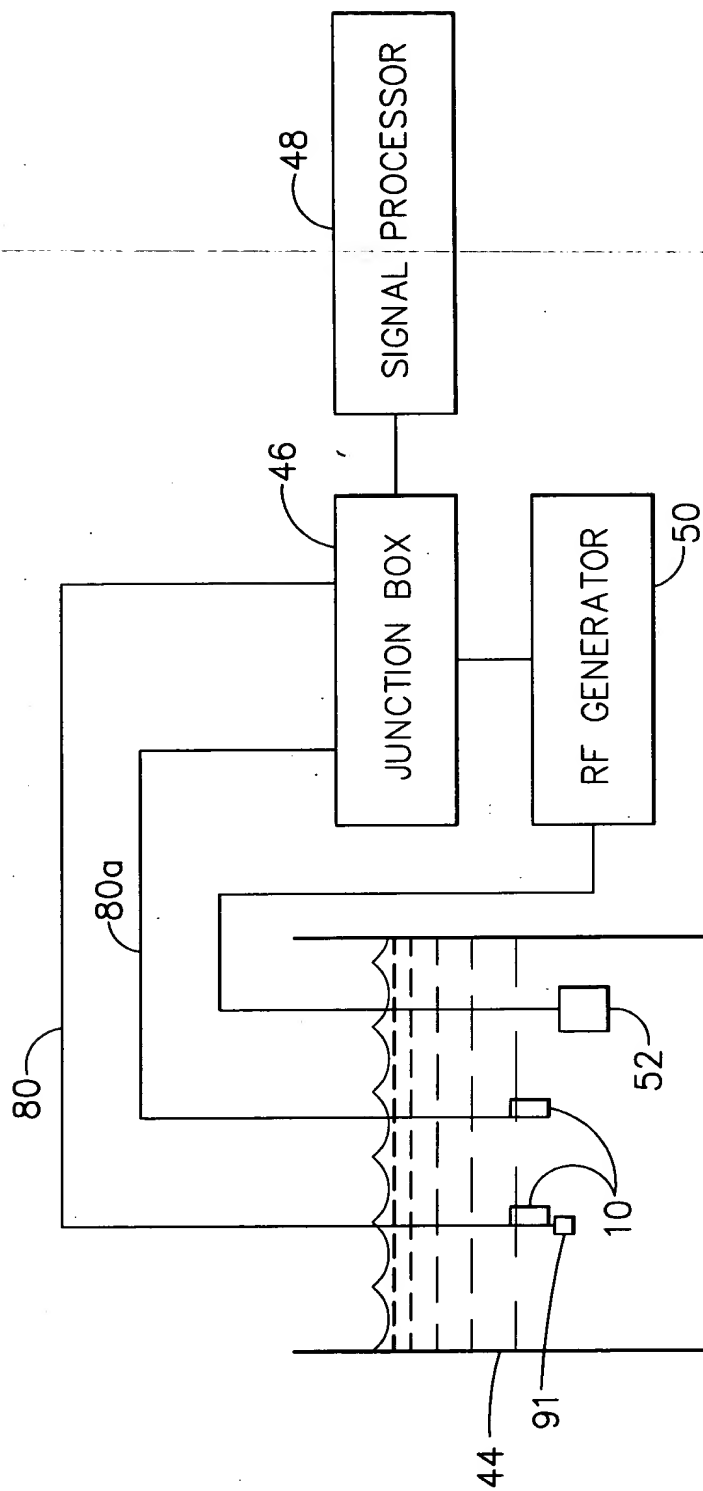


FIG. 4

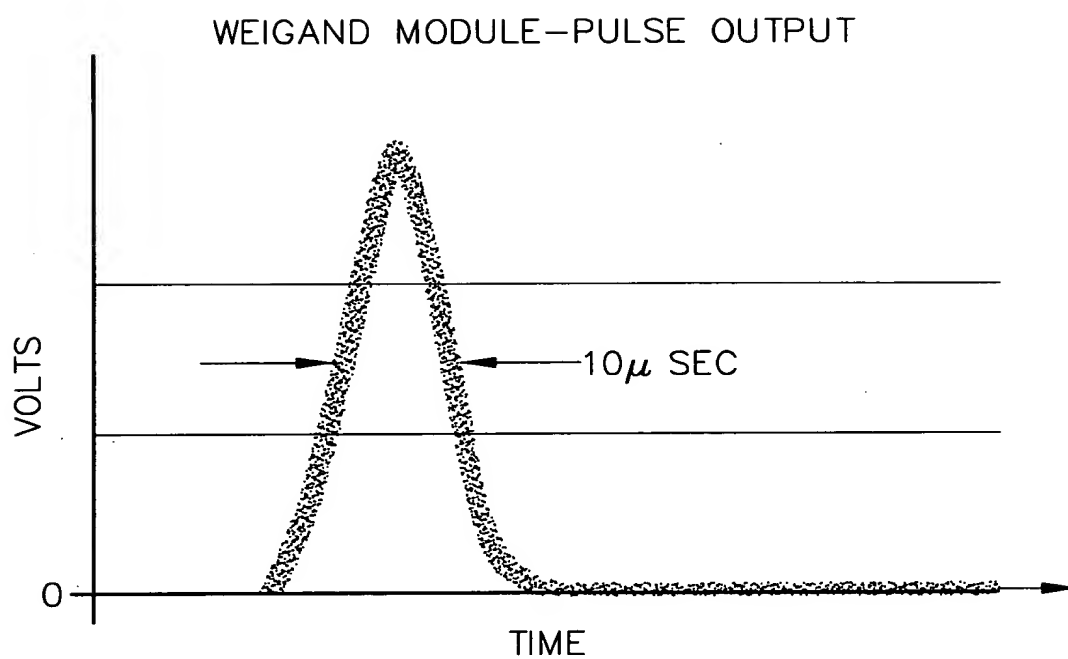


FIG. 5

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REGRESSING HEAT EXPERIMENT

	1			2			3			4			5			6			7			8									
	sensitivity	resistance		sensitivity	resistance		sensitivity	resistance		sensitivity	resistance		sensitivity	resistance		sensitivity	resistance		sensitivity	resistance		sensitivity	resistance								
30	2.6290	1.39	176.30	12.59	165.20	12.69	2.4537	1.31	171.60	13.17	2.8664	1.26	185.60	13.25	3.3460	1.00	235.7	12.18	2.4057	1.25	167.4	13.02	2.4290	1.32	160.30	20.27	2.5002	1.11	175.40	11.74	
35	2.6327	1.25	178.90	10.96	168.00	11.01	2.4567	1.18	174.30	11.42	2.8696	1.14	186.90	11.28	3.3506	0.92	239.3	10.49	2.4081	1.15	169.6	11.56	2.4319	1.20	161.70	19.23	2.5029	1.00	177.40	10.48	
40	2.6356	1.13	181.80	9.19	171.00	9.06	2.4598	1.06	177.20	9.59	2.8728	1.03	192.10	9.42	3.3533	0.84	242.8	8.90	2.4108	1.04	171.9	10.06	2.4356	1.05	166.30	15.94	2.5053	0.91	179.20	9.38	
45	2.6390	1.00	184.40	7.65	173.90	7.25	2.4632	0.92	179.90	7.95	2.8765	0.90	194.90	7.85	3.3568	0.74	246.7	7.17	2.4141	0.90	174.7	8.30	2.4387	0.92	171.00	12.75	2.5070	0.84	180.60	8.53	
50	2.6419	0.89	187.40	5.92	176.40	5.73	2.4670	0.76	182.60	6.35	2.8801	0.77	197.80	6.27	3.3605	0.62	250.9	5.38	2.4167	0.79	177.3	6.71	2.4428	0.75	174.10	10.74	2.5093	0.75	183.50	8.61	
55	2.6457	0.75	190.40	4.25	178.90	4.25	2.4705	0.62	185.30	4.80	2.8838	0.64	200.80	4.68	3.3642	0.51	254.4	3.93	2.4198	0.66	179.6	5.35	2.4462	0.61	172.90	11.51	2.5134	0.58	185.10	5.89	
60	2.6489	0.63	192.80	2.96	181.80	2.59	2.4744	0.46	188.20	3.19	2.8875	0.52	203.80	3.14	3.3674	0.42	258.7	2.20	2.4232	0.52	182.2	3.84	2.4484	0.48	163.90	4.84	2.5157	0.48	191.40	2.40	
65	2.6518	0.51	195.80	1.38	184.30	1.19	2.4774	0.34	191.80	1.25	2.8913	0.38	207.30	1.40	3.3708	0.32	261.7	1.03	2.4265	0.38	184.6	2.49	2.4516	0.39	160.20	1.37	2.5166	0.45	194.10	0.88	
70	2.6557	0.37	198.50	0.00	186.50	0.00	2.4789	0.24	194.20	0.00	2.8952	0.25	210.20	0.00	3.3749	0.20	264.4	0.00	2.4293	0.27	186.9	1.23	2.4548	0.26	162.80	0.00	2.5215	0.26	196.00	0.00	
75	2.6599	0.21			2.4207	0.12	2.4833	0.10	196.40		2.8986	0.13	212.20		3.3780	0.10	267.9		2.4326	0.13	189.2	0.00	2.4580	0.13			2.5247	0.13			
80	2.6655	0.00			2.4236	0.00	2.4858	0.00			2.9024	0.00			3.3815	0.00				2.4358	0.00					2.4611	0.00				
slope	-0.0266	-0.3165			-0.3233	-0.0269	-0.3305	-0.0254			-0.3279	-0.0205			-0.3124	-0.0253				-0.2934	-0.0266					-0.5271	-0.0219			-0.3089	